



CHANDLER ENGINEERING

Model 6500-M

FRICION FLOW LOOP

The 6500-M Mini-Loop™ system is a benchtop instrument (patent pending) designed to measure the friction pressure of fluids as they flow through different pipe geometries. It determines the relative effects of friction reducer chemistries and treatments. The instrument allows rapid test turn-around for the repeat testing of stimulation fluids.

The Model 6500-M circulates fluid through a single test section and uses custom Chandler Engineering software to record and analyze the test data. This enables reliable testing in a simple to operate, compact system. The unit is ideal for Quality Control Testing of Slick Water Fracturing Fluids.

The Mini Flow Loop system incorporates a low shear, progressive cavity pump for circulation of base fluids. A differential pressure transmitter measures the friction pressure across the test section. The friction reducing agent is added directly into the five gallon reservoir mixing tank.

The Chandler software is designed to be user-friendly and collects all required data during the test cycle for use in friction reduction calculations. Data may be stored in a test-specific .CSV file for analysis.

Model 6500-2800

Optional add-on module to enable real time display of flow rate and fluid density.



FEATURES

- ✓ Easy to set-up, operate, clean and maintain
- ✓ Benchtop unit
- ✓ Over pressure relief valve
- ✓ Progressive cavity pump for minimal shearing of fluids
- ✓ Real time display of temperature, differential pressure and percent friction reduction

Model 6500-M

Standard Model:

6500-M Mini-Loop™ (patented)

Specifications:

Maximum Pressure: 50 PSI (0.34 MPa)
Flow Rate: 4 Gallons / Minute
Differential Pressure Range: 0 – 36 PSI (0.24 MPa)
Differential Pressure Accuracy: ± 0.035%
Primary Wetted Materials: 316SS
Single Measurement Test Section: 3/8" OD
5 Gallon Mixing Tank

Utilities:

Power Requirements: 208 - 240 VAC, 50 or 60 Hz, 15A
Water: 20-80 psi (for system cleanup)
Dimensions (w x d x h):
56 in x 19 in x 38 in (142 cm x 48 cm x 97 cm)
Weight: 150 lbs (68 kg)
Shipping Dimensions (w x d x h):
66 in x 30 in x 46 in (168 cm x 76 cm x 117 cm)
Weight: 250 lbs (113 kg)

*Manufacturer's specifications subject to change without notice



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